

Application No.: 09/687,584
Amendment Dated: June 13, 2006
Reply to Office Action of: March 13, 2006

MTS-3213US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Withdrawn) A multichannel display data generating apparatus for generating data for displaying AV data on a multiscreen comprising a plurality of screens for displaying AV data of a plurality of channels, said apparatus comprising:

input means for inputting AV data of a plurality of channels being transferred using a transport packet of a transport stream;

a smaller number of PCR extracting means for extracting in a time-sharing mode the PCR of a plurality of channels displayed on said plurality of screens than the number of said plurality of screens;

the same number of PLL means for establishing PLL synchronization by using said extracted PCR as the number of said plurality of screens;

the same number of STC (system time clock) counter means for counting the times of the channels displayed on said plurality of screens by using the oscillation frequency of said PLL means as the number of said plurality of screens;

AV decoding means for AV-decoding the AV data of the channels displayed on said multiscreen in AV synchronization with said STC counter means; and

output means for outputting said AV-decoded AV data; and wherein

said output AV data is displayed on said multiscreen.

2. (Currently Amended) A multichannel display data generating apparatus for generating data for displaying AV data of plurality of channels on a multiscreen comprising a main screen for displaying the video of AV data the voice of which is output to a main speaker and a subsidiary screen for displaying the video of AV data the voice of which is not output to a main speaker, said apparatus comprising:

input means for inputting AV data of a plurality of channels being transferred using a transport packet of a transport stream;

PCR extracting means for extracting the a PCR of the channel displayed on said main screen among said plurality of channels;

PLL means for establishing PLL synchronization by using said extracted PCR;

STC counter means for counting the time of the channel displayed on said main screen by using the oscillation frequency of said PLL means;

AV decoding means for AV-decoding the AV data of the channel displayed on said main screen in AV synchronization with said STC counter means and for AV-decoding the AV data of the channel displayed on said subsidiary screen out of AV synchronization; and

output means for outputting said AV-decoded AV data; and wherein

said output AV data is displayed on said multiscreen, wherein the channel displayed on said subsidiary screen is displayed without a PCR which is used to synchronize a) audio for the channel displayed on said subsidiary screen, to b) video for the channel displayed on said subsidiary screen.

3. (Withdrawn) A multichannel display data generating apparatus for generating data for displaying AV data of plurality of channels on a multiscreen comprising a main screen for displaying the video of AV data the voice of which is output to a main speaker and a subsidiary screen for displaying the video of AV data the voice of which is not output to a main speaker, said apparatus comprising:

input means for inputting AV data of a plurality of channels being transferred using a transport packet of a transport stream;

one PCR extracting means for extracting the PCR of the channel displayed on said main screen among said plurality of channels and for extracting the PCR of the channel displayed on said subsidiary screen for a predetermined duration when a new channel is selected and the AV data of the channel is firstly displayed on said subsidiary screen;